

2006 State County Ground Water Symposium

September 20, 2006

Best Western Hotel and Conference Center, Baltimore, Maryland

Morning Plenary – Chesapeake 1 and 2

- 9:00 - 9:10** **Welcome and Opening Remarks**
Water Supply Program, MDE
- 9:10 - 9:35** **Keynote Address – The Adaptable Frog**
M. Gordon “Reds” Wolman, Ph.D., Professor, Johns Hopkins University
- 9:35 – 10:00** **[The MDE Perspective – HB1141](#)**
Robert M. Summers, Ph.D., Director, Water Management Administration, MDE
- 10:00 – 10:15** **The Local Environmental Health Perspective – A Brief History of the Sanitarian Profession**
Charles Smyser, President, Maryland Conference of Local Environmental Health Directors
- 10:15 – 10:40** **The Audience Perspective – Question and Answer Session**

B R E A K

Time	Breakout 1 Chesapeake 3	Breakout 2 Chesapeake 1 & 2	Breakout 3 Harbor BC
10:55 – 11:25	<u>Protection of the Poolesville Sole Source Aquifer</u> David Yoxtheimer <i>N.A. Water Systems</i>	<u>MTBE and the Impact of New Notification Requirements on Local Governments</u> Brian Flynn, R.S. <i>Carroll County Bureau of Environmental Health</i>	<u>EPA’s Decentralized Wastewater Management Handbook: A Guide for Developing and Implementing Management Programs</u> Rod Frederick <i>U.S. Environmental Protection Agency</i>
11:30– 12:00	<u>Source Water Protection and Wellhead Protection in U.S. EPA Region 3</u> Andrea Bennett <i>U.S. Environmental Protection Agency, Region III</i>	<u>Cadmium in Ground Water and Sediment Samples in the Aquia Aquifer in Central Anne Arundel County, Maryland</u> David W. Bolton <i>Maryland Geological Survey</i>	<u>Using a Submerged Attached Growth Bioreactor as an Effective Biological Nutrient Removal (BNR) Process for Small Decentralized Wastewater Treatment Plants</u> Philip Pedros, Ph.D. <i>F.R. Mahoney & Associate, Inc.</i>

L U N C H – Boston Street Theater

Afternoon Plenary – Chesapeake 1 and 2

1:00 – 1:25 [MDE’s Approval of New Water Systems – What’s Involved?](#)
Barry O’Brien, *Water Supply Program, MDE*

	Breakout 1 Chesapeake 3	Breakout 2 Chesapeake 1 & 2	Breakout 3 Harbor BC
1:30 - 2:00	<u>Baseflow Analysis of the Fractured Bedrock Unit in the Potomac River Basin</u> Nebiyu Tiruneh, Ph.D. <i>Interstate Commission on the Potomac River Basin</i>	<u>Why We Get Positive Bacti Results from Wells Using Confined Aquifers</u> Travis Sterner, R.S. <i>Water Supply Program, MDE</i>	<u>Bay Restoration Fund Update</u> Jay Prager, R.S. <i>Wastewater Permits Program, MDE</i>
2:05 – 2:35	<u>Water Availability in the Catoctin Creek Watershed, Frederick County</u> Andrea Korsak, Geologist	<u>Point of Use and Point of Entry Treatment Alternatives for Meeting Arsenic Standards</u> Nancy Reilman <i>Water Supply Program, MDE</i>	<u>Use of Nitrogen Removing Technology in OSDS under the Bay Restoration Fund and its Implementation in the Corsica River Watershed</u> Shan Abeywickrama, Mary Dela Dewa <i>Wastewater Permits Program, MDE</i>
B R E A K			
2:50 – 3:20	<u>Investigation and Cleanup of Oil Contamination in a Residential Well</u> Doug McFarland, R.S. <i>Carroll County Bureau of Environmental Health</i>	<u>A Roadmap for Scientific Assessment of Maryland’s Coastal Plain Groundwater Resources</u> David W. Bolton <i>Maryland Geological Survey</i>	<u>Predicting the Influence of Operating Characteristics on PPCP Removal in Wastewater Treatment Plants</u> Jim Yu <i>Johns Hopkins University</i>
3:25- 3:55	<u>An Overview of the Maryland Department of the Environment’s Voluntary Cleanup Program</u> Barbara Brown <i>Voluntary Cleanup Program, MDE</i>	Panel Discussion on the Assessment of the Atlantic Coastal Plain Aquifer System in Maryland <i>Maryland Department of Environment Maryland Department of Planning Univ. of MD. Agro-Ecology Center Earth Data, Inc. Southern MD Tri-County Council</i>	Water Supply Capacity Management Plan Guidance Janice Outen <i>Water Supply Program, MDE</i> Khandu Patel <i>Wastewater Permits Program, MDE</i>
4:00 – 4:30	<u>Overview of Water Treatment Effluents</u> Richard Mest Larry Zinzer <i>Master Water Conditioning Corp.</i>	<u>Development of an Aquifer Information System for Assessment and Allocation of Ground-Water in the Atlantic Coastal Plain</u> Mark R. Nardi <i>U.S. Geological Survey</i>	<u>Management of Photochemical Wastes</u> Susan Allen, R.S. <i>Wastewater Permits Program, MDE</i>